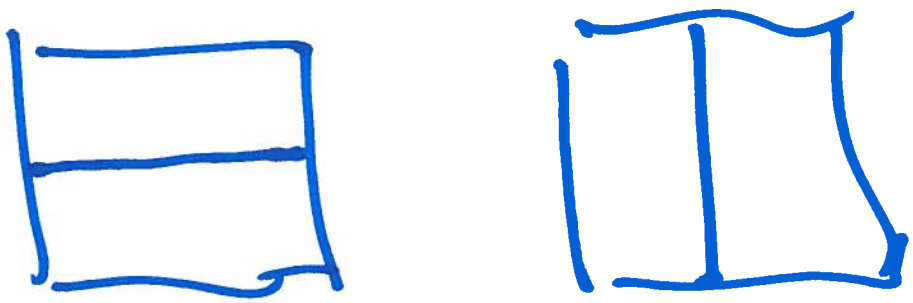
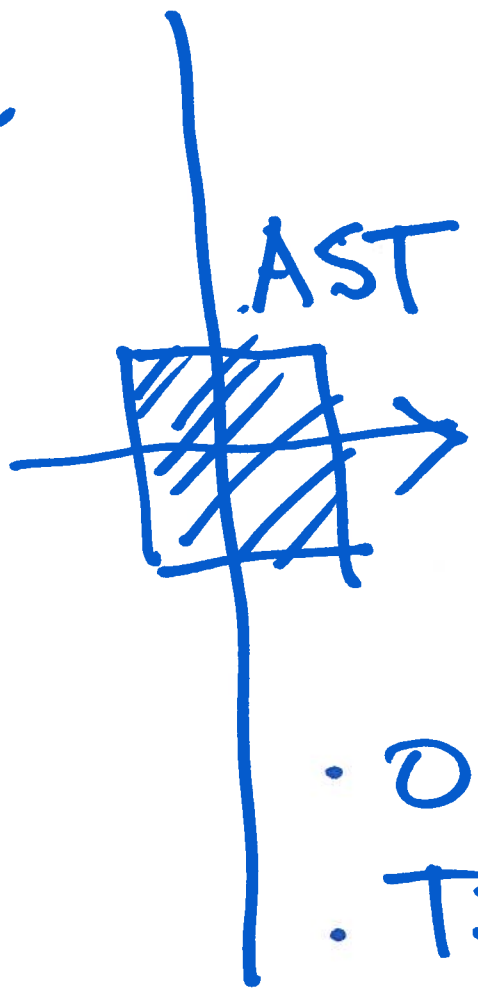
PHYLANX

$(A + B) * C$

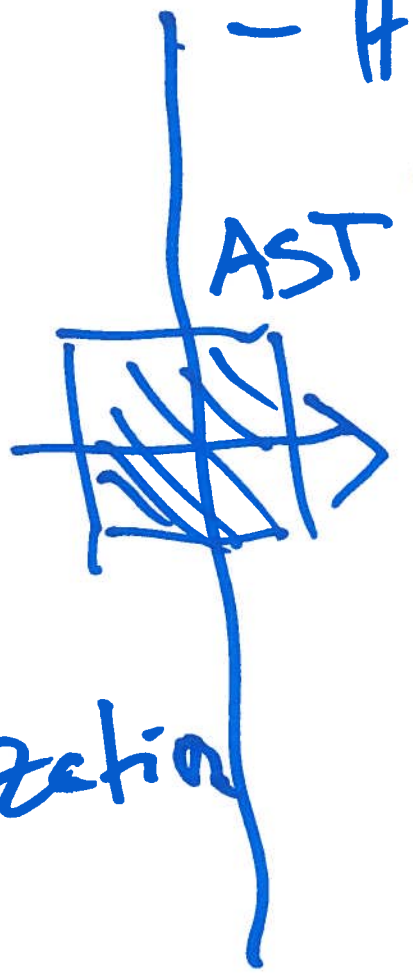


FRONT MIDDLE BACK

- Python



- HPX



- Optimazation
- Tiling
- Annotate

variant <

primary expr

UNARY_EXPR

PRIMARY_EXPR

UNARY_OP UNARY_EXPR

EXPR

UNARY_EXPR (BINARY_OP UNARY)*

struct expr { unary_exp ve; std::list<operand>

FUNCTION_INVOC

IDENTIFIER '(' (EXPR ',')* ')'

struct func_call { identifier id; std::list<expr> e;

FRONT

(A+B)*C

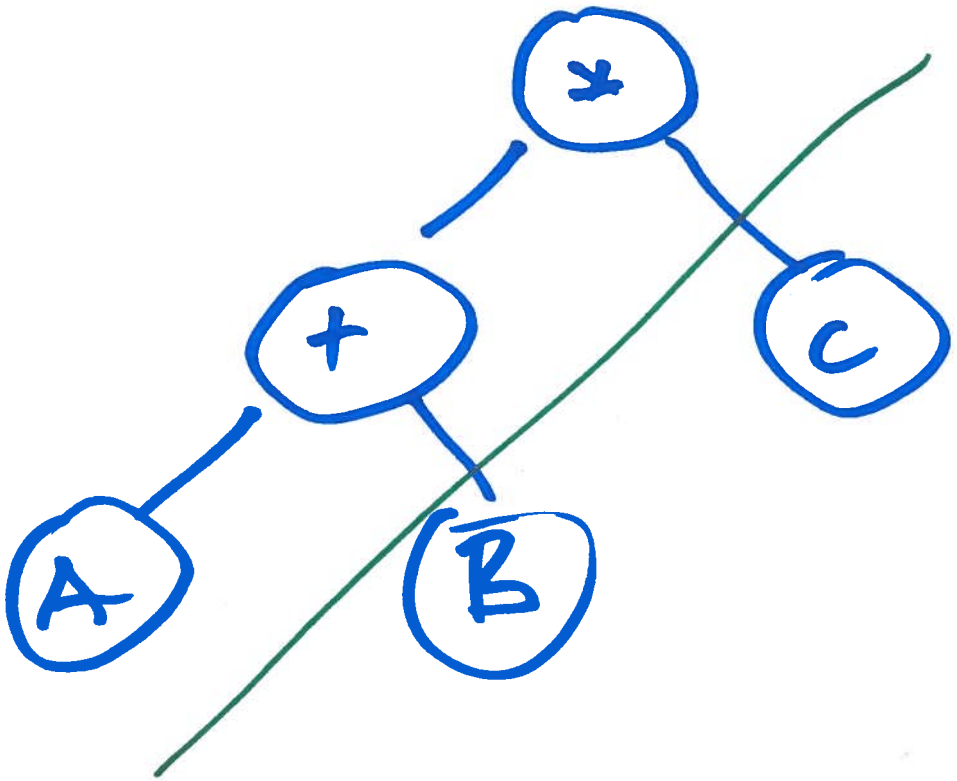
PRIMARY_EXPR

std::variant<

double FP Value — double
int Value — int
boolean — bool
string — std::string
variable/identifiers — struct identifier
'(' EXPR ')'
function invocation — struct func_call

7

$$(A + B) * C$$



$-1 + -2$